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(71)Applicant : SUMITOMO RUBBER IND LTD

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(72)Inventor : NAKAYASU RITSUO
FUKUMOTO TAKAHIRO
IDEI TAKEO

(54) HARD RUBBER COMPOSITION

(57)Abstract:

PURPOSE: To obtain a hard rubber composition improved in flex crack resistance, prevention of heat build-up and hardness by mixing a diene rubber with specified fibrils of a polyamide pulp, a thermosetting resin and a curing agent.

CONSTITUTION: 100 pts.wt. diene rubber (e.g. cis-1,4-polyisoprene rubber) is mixed with 1-30 pts.wt. fibrils of an aromatic polyamide pulp having a diameter of 0.1-1 μ m and a length of 3-1000 μ m, 2-40 pts.wt. thermosetting resin selected from among a phenolic resin, a cresol resin and a modified resin thereof and 1-20 pts.wt. curing agent which can donate methylene groups when used in vulcanization under usual vulcanization conditions (e.g. hexamethylenetetramine).

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